

## Re: kern/54383: NFS root configuration without dynamic protocols: dhcp, bootp, etc ...

*Source:* <http://unix.derkeiler.com/Mailing-Lists/FreeBSD/net/2003-11/0269.html>

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*From:* omestre ([omestre\\_at\\_freeshell.org](mailto:omestre_at_freeshell.org))

*Date:* 11/28/03

Date: Fri, 28 Nov 2003 16:35:25 +0000 (UTC)  
To: Steve Shorter <[steve@nomad.tor.lets.net](mailto:steve@nomad.tor.lets.net)>

On Tue, 25 Nov 2003, Steve Shorter wrote:

Hello!

Well, when i did and post that patch, i have mentioned about "It's not a good/normal diskless solution"... but "it's still a solution! :)) alternative solution...

I have 6 (six) production diskless servers (4.7) and some ones (5.0) in "tests". And are working fine!

But now, my diskless servers are booting from CDROM/RW (5MB) images. When i want change the kernels, well... in 30 minutes this task is done.

Thanks. (Just the fact of the freebsd hackers are "looking" my patch... it is just great).

Think, maybe other crazy guy want my solution. To many "Options", this is what OpenSource is all about. At least to me. With six or seven lines in the loader.conf file and a kernel+mypatch, you have a diskless server.

Thanks again.

Leal.

> *Date:* Tue, 25 Nov 2003 13:09:36 -0500  
> *From:* Steve Shorter <[steve@nomad.tor.lets.net](mailto:steve@nomad.tor.lets.net)>  
> *To:* [freebsd-net@freebsd.org](mailto:freebsd-net@freebsd.org)  
> *Subject:* kern/54383: NFS root configuration without dynamic protocols:  
> dhcp, bootp, etc ...  
>  
> *Howdy!*  
>  
>  
> *I only boot from Intel cards that support PXE.*  
>  
> *This greatly simplifies the administration*  
> *of large numbers of diskless machines. It makes kernel*  
> *changes trivial. If your going to go diskless you may*  
> *as well go all the way for the base/root system and kernel.*

freebsd-net: Re: kern/54383: NFS root configuration without dynamic protocols: dhcp, bootp, etc ...

- >
- > *If you need RAID disks for data then you can*
- > *throw some swap on them, but otherwise with memory*
- > *cheap you can usually get away without swap.*
- >
- > *The problem with harddrives isn't cost. Its a*
- > *source of failure and administrative overhead.*
- > *Avoid them. If you can't, then use RAID for data and*
- > *still PXE boot over the network.*
- >
- > *Upgrading kernel on each machine is a major drag*
- > *if there are lots of machines.*
- >
- > *In general a solution that is not scalable*
- > *is not a good one.*
- >
- >
- > *-steve*
- >
- > \_\_\_\_\_
- > *freebsd-net@freebsd.org mailing list*
- > *<http://lists.freebsd.org/mailman/listinfo/freebsd-net>*
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